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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/845,721

DATE: 09/18/2001

TIME: 10:12:48

Input Set : A:\Methodsseq.txt

Output Set: N:\CRF3\09182001\I845721.raw

C--> 3 <110> APPLICANT: Brennand, John  
4 Hart, Kevin  
6 <120> TITLE OF INVENTION: Methods  
8 <130> FILE REFERENCE: 1991-196  
10 <140> CURRENT APPLICATION NUMBER: US 09/845,721  
11 <141> CURRENT FILING DATE: 2001-08-30  
13 <150> PRIOR APPLICATION NUMBER: US 60/201,418  
14 <151> PRIOR FILING DATE: 2000-05-03  
16 <160> NUMBER OF SEQ ID NOS: 2  
18 <170> SOFTWARE: PatentIn version 3.0  
20 <210> SEQ ID NO: 1  
21 <211> LENGTH: 1881  
22 <212> TYPE: DNA  
23 <213> ORGANISM: Homo sapiens  
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32 tcaaatagtt tattctatct cactttctag ggaaaaaac caactgctcc aaaagaatgt 240  
34 gttttttctc cattctggaa atcaacatgc agtctgaatc taacattaca gtgcgagatg 300  
36 acattgatga catcaacacc aatatgtacc aaccactatc atatccgtta agctttcaag 360  
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40 tatttgtact ttactgcatg aaatccaact taatcaactc tgtcagtaac attattacaa 480  
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48 acatctctgt aaaacctgca aaccgaattc tgacaatggg cagagctgta atgttaatga 720  
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54 aatactacac tgaactggga atgtattatc acctgttagt acagatccca atattctttt 900  
56 tcaactgttg agtaatgtta atcacatata ccaaaatact tcaggctctt aatattcgaa 960  
58 taggcacaag attttcaaca gggcagaaga agaaagcaag aaagaaaaag acaattttctc 1020  
60 taaccacaca acatgaggct acagacatgt cacaagcag tgggtggaga aatgtagtct 1080  
62 ttggtgtaag aacttcagtt tctgtaataa ttgccctccg gcgagctgtg aaacgacacc 1140  
64 gtgaacgacg agaaagacaa aagagagtct tcaggatgtc tttattgatt atttctacat 1200  
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86 atatttttta aggaataaat acatagcctt aaaacagtgt ataactttaa aatgtaaaaa 1860  
88 aaaaaaaaaa aaaaaaaaaa a 1881

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91 <210> SEQ ID NO: 2
92 <211> LENGTH: 433
93 <212> TYPE: PRT
94 <213> ORGANISM: Homo sapiens
96 <400> SEQUENCE: 2
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101 Ile Thr Val Arg Asp Asp Ile Asp Asp Ile Asn Thr Asn Met Tyr Gln
102 20 25 30
104 Pro Leu Ser Tyr Pro Leu Ser Phe Gln Val Ser Leu Thr Gly Phe Leu
105 35 40 45
107 Met Leu Glu Ile Val Leu Gly Leu Gly Ser Asn Leu Thr Val Leu Val
108 50 55 60
110 Leu Tyr Cys Met Lys Ser Asn Leu Ile Asn Ser Val Ser Asn Ile Ile
111 65 70 75 80
113 Thr Met Asn Leu His Val Leu Asp Val Ile Ile Cys Val Gly Cys Ile
114 85 90 95
116 Pro Leu Thr Ile Val Ile Leu Leu Leu Ser Leu Glu Ser Asn Thr Ala
117 100 105 110
119 Leu Ile Cys Cys Phe His Glu Ala Cys Val Ser Phe Ala Ser Val Ser
120 115 120 125
122 Thr Ala Ile Asn Val Phe Ala Ile Thr Leu Asp Arg Tyr Asp Ile Ser
123 130 135 140
125 Val Lys Pro Ala Asn Arg Ile Leu Thr Met Gly Arg Ala Val Met Leu
126 145 150 155 160
128 Met Ile Ser Ile Trp Ile Phe Ser Phe Phe Ser Phe Leu Ile Pro Phe
129 165 170 175
131 Ile Glu Val Asn Phe Phe Ser Leu Gln Ser Gly Asn Thr Trp Glu Asn
132 180 185 190
134 Lys Thr Leu Leu Cys Val Ser Thr Asn Glu Tyr Tyr Thr Glu Leu Gly
135 195 200 205
137 Met Tyr Tyr His Leu Leu Val Gln Ile Pro Ile Phe Phe Phe Thr Val
138 210 215 220
140 Val Val Met Leu Ile Thr Tyr Thr Lys Ile Leu Gln Ala Leu Asn Ile
141 225 230 235 240
143 Arg Ile Gly Thr Arg Phe Ser Thr Gly Gln Lys Lys Lys Ala Arg Lys
144 245 250 255
146 Lys Lys Thr Ile Ser Leu Thr Thr Gln His Glu Ala Thr Asp Met Ser
147 260 265 270
149 Gln Ser Ser Gly Gly Arg Asn Val Val Phe Gly Val Arg Thr Ser Val
150 275 280 285
152 Ser Val Ile Ile Ala Leu Arg Arg Ala Val Lys Arg His Arg Glu Arg
153 290 295 300
155 Arg Glu Arg Gln Lys Arg Val Phe Arg Met Ser Leu Leu Ile Ile Ser
156 305 310 315 320
158 Thr Phe Leu Leu Cys Trp Thr Pro Ile Ser Val Leu Asn Thr Thr Ile
159 325 330 335
161 Leu Cys Leu Gly Pro Ser Asp Leu Leu Val Lys Leu Arg Leu Cys Phe
162 340 345 350

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167 Phe Thr Arg Gln Lys Phe Gln Lys Val Leu Lys Ser Lys Met Lys Lys  
168       370                   375                   380  
170 Arg Val Val Ser Ile Val Glu Ala Asp Pro Leu Pro Asn Asn Ala Val  
171 385                   390                   395                   400  
173 Ile His Asn Ser Trp Ile Asp Pro Lys Arg Asn Lys Lys Ile Thr Phe  
174                   405                   410                   415  
176 Glu Asp Ser Glu Ile Arg Glu Lys Arg Leu Val Pro Gln Val Val Thr  
177           420                   425                   430  
179 Asp

VERIFICATION SUMMARY

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L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date